Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

December 28, 2018

Rob King
Hampton Bays Water District
P.O. Box 1013
Hampton Bays, NY 11946

RE: Project: FE/MN 12/26
Pace Project No.: 7074928

Dear Rob King:
Enclosed are the analytical results for sample(s) received by the laboratory on December 26, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Stu Murrell
stu.murrell@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Warren Booth, Hampton Bays Water District
John Collins, H2M Group
Stella Michaels, Hampton Bays Water District
Paul Ponturo, H2M Group

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CERTIFICATIONS

Project: FE/MN 12/26
Pace Project No.: 7074928

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747
New York Certification #: 10478 Primary Accrediting Body
New Jersey Certification #: NY158
Pennsylvania Certification #: 68-00350
Connecticut Certification #: PH-0435
Maryland Certification #: 208
Rhode Island Certification #: LAO00340
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: FE/MN 12/26
Pace Project No.: 7074928

Lab ID	Sample ID	Matrix	Date Collected	Date Received
7074928001	**48 NORTH COLUMBINE AVE.**	Drinking Water	12/26/18 08:16	12/26/18 17:00

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SAMPLE ANALYTE COUNT

Project: FE/MN 12/26
Pace Project No.: 7074928

Lab ID	Sample ID	Method	Analysts	Analytes Reported
7074928001	**48 NORTH COLUMBINE AVE.**	EPA 200.7	JMW	2

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ANALYTICAL RESULTS

Project: FE/MN 12/26
Pace Project No.: 7074928

Sample: 48 NORTH COLUMBINE AVE. **Lab ID: 7074928001** Collected: 12/26/18 08:16 Received: 12/26/18 17:00 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP, Drinking Water	Analytical Method: EPA 200.7								
Iron	**0.036**	mg/L	0.020		1		12/28/18 13:30	7439-89-6	
Manganese	**<0.010**	mg/L	0.010		1		12/28/18 13:30	7439-96-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FE/MN 12/26
Pace Project No.: 7074928

QC Batch: 96438
QC Batch Method: EPA 200.7
Analysis Method: EPA 200.7
Analysis Description: 200.7 MET No Prep Drinking Water
Associated Lab Samples: 7074928001

METHOD BLANK: 445489
Matrix: Drinking Water
Associated Lab Samples: 7074928001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	mg/L	<0.020	0.020	12/28/18 13:28	
Manganese	mg/L	<0.010	0.010	12/28/18 13:28	

LABORATORY CONTROL SAMPLE: 445490

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	mg/L	2	2.0	100	85-115	
Manganese	mg/L	0.25	0.25	98	85-115	

MATRIX SPIKE SAMPLE: 445493

Parameter	Units	7074928001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	mg/L	0.036	2	2.2	106	70-130	
Manganese	mg/L	<0.010	0.25	0.27	104	70-130	

MATRIX SPIKE SAMPLE: 445495

Parameter	Units	7074850001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	mg/L	28.0 ug/L	2	2.1	104	70-130	
Manganese	mg/L	19.3 ug/L	0.25	0.28	103	70-130	

SAMPLE DUPLICATE: 445492

Parameter	Units	7074928001 Result	Dup Result	RPD	Max RPD	Qualifiers
Iron	mg/L	0.036	0.036	0	20	
Manganese	mg/L	<0.010	<0.010		20	

SAMPLE DUPLICATE: 445494

Parameter	Units	7074850001 Result	Dup Result	RPD	Max RPD	Qualifiers
Iron	mg/L	28.0 ug/L	0.029	2	20	
Manganese	mg/L	19.3 ug/L	0.020	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: FE/MN 12/26
Pace Project No.: 7074928

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FE/MN 12/26
Pace Project No.: 7074928

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7074928001	**48 NORTH COLUMBINE AVE.**	EPA 200.7	96438		

WO#: 7074928

7074928

47

(631) 694-3040 Fax: (631) 420-8436

Sample Request Form
PUBLIC WATER SUPPLIER

Date: 12-26-18 C/S

Collected By: K. TOTHILL 12/26/18

Accepted By: [signature] 1450

Cooler Temp: 2.4 °C

☐ WELL OFF LINE _____

☐ WELL RUN TO SYSTEM _____

☐ YES ☐ NO VOC'S PRESERVED WITH HCl

Back At: 1700

Client Info:

Name or Code: HAMPTON BAYS WATER DISTRICT
P.O. BOX 1013
HAMPTON BAYS, NEW YORK 11946
(631) 728-0179

Address: _____

Phone #: _____

Attn: _____

Proj. # or (Name): _____

Bill To: _____

Copies To: _____

Sample Types	Purpose	Origin	Treatment Types
PW - Potable Water	RO - Routine	D - Distribution	AST - Air Stripper
GW - Groundwater	RE - Resample	RW - Raw Well	GAC - Granular Activated Charcoal
SW - Surface Water	S - Special	TW - Treated Well	N - Nitrate Removal Plant
WW - Waste Water		T - Tank	FE - Iron Removal Plant
AQ - Aqueous		MW - Monitoring Well	O - Other
S - Soil		I - Influent	
		E - Effluent	

Sample Info:

Date/Time Collected:	Sample Type	Location	Origin	Treatment Type	Purpose	Field Readings Cl_2	Field Readings pH/Temp	Analysis	Lab No.
8:16AM 12-26-18	PW	48 North Columbine Ave	D	-	S	.55	7.02	Iron + Magnese	001

Remarks:

Sample Condition Upon Receipt

Pace Analytical

WO#:7074928
PM: SWM Due Date: 01/04/19
CLIENT: HBW

Client Name: HBW Proj

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☐ No Seals intact: ☑ Yes ☐ No Temperature Blank Present: ☐ Yes ☐ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☑ None ☐ Other Type of Ice: ☑ Wet Blue None

Thermometer Used: TH091 Correction Factor: 0.0 ☐ Samples on ice, cooling process has begun

Cooler Temperature (°C): 2.4 Cooler Temperature Corrected (°C): 2.4 Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☐ N/A, water sample) Date and Initials of person examining contents: ED 12/26/18

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ YES ☐ NO

Did samples orignate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	☑Yes	☐No		1.
Chain of Custody Filled Out:	☑Yes	☐No		2.
Chain of Custody Relinquished:	☑Yes	☐No		3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No		5.
Short Hold Time Analysis (<72hr):	☐Yes	☑No		6.
Rush Turn Around Time Requested:	☐Yes	☑No		7.
Sufficient Volume: (Triple volume provided for MS/MSD)	☑Yes	☐No		8.
Correct Containers Used:	☑Yes	☐No		9.
-Pace Containers Used:	☑Yes	☑No		
Containers Intact:	☑Yes	☐No		10.
Filtered volume received for Dissolved tests	☑Yes	☐No	☑N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☑Yes	☐No		12.
-Includes date/time/ID/Analysis Matrix SL WT OIL				
All containers needing preservation have been checked	☑Yes	☐No	☐N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot # HC857966				
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	☑Yes	☐No	☐N/A	Sample #
				Initial when completed: / Lot # of added preservative: / Date/Time preservative added
Samples checked for dechlorination:	☐Yes	☐No	☑N/A	14.
KI starch test strips Lot #				Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☑N/A	15.
Trip Blank Present:	☐Yes	☐No	☐N/A	16.
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

* PM (Project Manager) review is documented electronically in LIMS.